

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/24980

A. CLASSIFICATION OF SUBJECT MATTER																										
IPC(7) : H04L 9/32 US CL : 713/200																										
According to International Patent Classification (IPC) or to both national classification and IPC																										
B. FIELDS SEARCHED																										
Minimum documentation searched (classification system followed by classification symbols) U.S. : 713/200, 201																										
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																										
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet																										
C. DOCUMENTS CONSIDERED TO BE RELEVANT																										
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.																								
X	US 6,118,785 A (ARAUJO et al) 12 September 2000 (12.09.2000), abstract; column 3, lines 14-34; column 6, lines 1-27; column 6 line 62 to column 7 line 22; column 7, lines 39-52; column 15, lines 3-13; column 15 line 58 to column 16 line 6.	1, 6, 11-13																								
Y		2-5, 7-10, 14-17																								
Y, T	US 6,633,765 B1 (MAGGENTI) 14 October 2003 (14.10.2003), column 5, lines 10-40.	2-5, 7-10, 14-17																								
A	US 6,097,720 A (ARAUJO et al) 1 August 2000 (01.08.2000), entire document.	1-17																								
A	US 6,424,657 B1 (VOIT et al) 23 July 2002 (23.07.2002), entire document.	1-17																								
A	Hardjono et al Key Establishment for IGMP Authentication in IP Multicast IEEE 2000 pages 247-252	1-17																								
A, T	Vittore, Vince Microsoft woos telco realm with IP approach to video Telephony October 2003 page 20	1-17																								
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.																										
<table border="0"> <tr> <td colspan="2">* Special categories of cited documents:</td> <td>"T"</td> <td>later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"A"</td> <td>document defining the general state of the art which is not considered to be of particular relevance</td> <td>"X"</td> <td>document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"E"</td> <td>earlier application or patent published on or after the international filing date</td> <td>"Y"</td> <td>document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"L"</td> <td>document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"&"</td> <td>document member of the same patent family</td> </tr> <tr> <td>"O"</td> <td>document referring to an oral disclosure, use, exhibition or other means</td> <td></td> <td></td> </tr> <tr> <td>"P"</td> <td>document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>			* Special categories of cited documents:		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"E"	earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family	"O"	document referring to an oral disclosure, use, exhibition or other means			"P"	document published prior to the international filing date but later than the priority date claimed		
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Date of the actual completion of the international search 12 November 2003 (12.11.2003)		Date of mailing of the international search report 02 DEC 2003																								
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230		Authorized officer Ayaz R Sheikh Telephone No. 703-305-1373																								

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

EAST, PROQUEST, IEE, GOOGLE

search terms: IGMP, interent group management protocol, terminate, ADSL, available bandwidth, limited bandwidth, configuration, requested, unrequested, group